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Claims

1. A method for automatically re-establishing a connection to a data source accessible by a plurality of remote applications, the method comprising:
  - providing at least one interface module configured to interface with a remote application;
  - 10 providing at least one port module configured to interface between the interface module and the data source;
  - providing a connection manager to facilitate the interface between the interface module and the port module;
  - detecting unavailability of the data source in response to an initial request for the data source by the remote application;
  - 15 dynamically detecting availability of the data source in response to a subsequent request for the data source; and
  - re-connecting the data source to the remote application in response to the subsequent request.
2. The method of claim 1, wherein the detecting unavailability is executed by the port module.
3. The method of claim 1, wherein the detecting unavailability is executed by the connection manager.
4. The method of claim 1, wherein the dynamically detecting is executed by the port module.

5. The method of claim 1, wherein the dynamically detecting is executed by the connection manager.

6. The method of claim 1, wherein re-connecting further comprises re-establishing a connection between the port module and the data source independently from initialization of the connection manager.

10 7. The method of claim 1, wherein re-connecting further comprises re-establishing a connection between the port module and the data source without re-initializing the connection manager.

5        8. A computer readable medium having stored thereon computer executable  
instructions for performing a method for connecting a plurality of remote  
applications with a data source, the method comprising:  
                  providing at least one interface module configured to interface with a remote  
application;  
10            providing at least one port module to interface between the interface module and  
the data source;  
                  providing a connection manager to facilitate the interface between the interface  
module and the port module;  
                  detecting unavailability of the data source in response to an initial request for the  
15            data source by the remote application;  
                  dynamically detecting availability of the data source in response to a subsequent  
request for the data source; and  
                  re-connecting the data source to the remote application in response to the  
subsequent request.  
20        9. The computer readable medium of claim 8, wherein the detecting unavailability is  
executed by the port module.  
10.      The computer readable medium of claim 8, wherein the detecting unavailability is  
executed by the connection manager.  
11.      The computer readable medium of claim 8, wherein the dynamically detecting is  
executed by the port module.  
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5 12. The computer readable medium of claim 8, wherein the dynamically detecting is  
executed by the connection manager.

13. The computer readable medium of claim 8, wherein re-connecting further  
comprises re-establishing a connection between the port module and the data  
source independently from initialization of the connection manager.

10 14. The computer readable medium of claim 8, wherein re-connecting further  
comprises re-establishing a connection between the port module and the data  
source without re-initializing the connection manager

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5 15. A system for connecting a plurality of remote applications with a data source, the  
system comprising:  
an interface module configured to interface with a remote application;  
a port module configured to interface between the interface module and the data  
source; and  
10 a connection manager module configured to facilitate a direct interface between  
the interface module and the port module;  
one of the port module and the connection manager module, further configured to  
dynamically detect availability of the data source in response to a subsequent request for  
the data source, and to re-connect the data source to the remote application in response to  
15 the subsequent request.

16. The system of claim 15, wherein the port module is configured to execute at least  
one of the dynamically detecting and re-connecting steps.

17. The system of claim 15, wherein the connection manager module is configured to  
execute at least one of the dynamically detecting and re-connecting steps.

20 18. The system of claim 15, wherein re-connecting further comprises re-establishing a  
connection between the port module and the data source independently from  
initialization of the connection manager.

19. The system of claim 15, wherein re-connecting further comprises re-establishing a  
connection between the port module and the data source without re-initializing the  
connection manager.

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